

We claim:

1 *Sub A1* 1. A system for controlled dispensation of active ingredients into an atmosphere, the
2 system comprising:

3 a heat-regulating container made entirely of metal and having one or more reservoir
4 portions, a volatile material comprising active ingredients to be dispensed into the atmosphere
5 contained within the one or more reservoir portions, and a lower surface having integral leg support
6 structure; and

7 a heating device having a heating surface and adapted to receive the heat-regulating
8 container such that the integral leg support structure is in direct contact with the hot surface, thereby
9 regulating the temperature of the volatile material in the one or more reservoir portions within the
10 container.

1 2. The system of Claim 1, wherein the volatile material is one or more selected from
2 the group consisting of pesticides and insecticides, insect repellents, fragrances, air-fresheners and
3 deodorizers.

1 3. The system of Claim 1, wherein the one or more reservoir portions contains a
2 porous solid substrate positioned within the one or more reservoirs and wherein the volatile material
3 is impregnated within the substrate.

1 4. The system of Claim 1, wherein the volatile material is in a gel form.

1 *Sub A2* 5. The system of Claim 1, wherein the container is made of a single heat-resistant
2 material selected from the group consisting of metal, thermoplastic, and ceramic.

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1 6. The system of Claim 1, further comprising a plurality of integral leg support
2 structures.

1 7. The system of Claim 6, wherein the plurality of integral leg support structures are
2 provided in a zig-zag pattern.

1 *Sub A 3* 8. The system of Claim 6, wherein the plurality of integral leg support structures are
2 provided in a solid pattern over an entire lower surface portion of the container.

1 9. The system of Claim 1, in which the container further comprises handles means
2 extending from the container for manipulation of the container by a user.

1 *Sub A 4* 10. A heat-regulating container for dispensing volatile materials into an atmosphere,
2 the container adapted for use in a heating device having a heating surface at elevated temperature,
3 the container comprising:
4 a reservoir portion for containing volatile material to be dispensed;
5 a lower surface; and
6 a plurality of integrally formed leg structures extending from the lower surface of the
7 container for regulating the transfer of heat from a heating surface of a heating device to volatile
8 material to be dispensed.

1 11. The container of Claim 10, further comprising a predetermined number of
2 integrally formed leg structures.

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1 12. The container of Claim 10, in which the plurality of integrally formed leg
2 structures each have a predetermined height.

1 13. The container of Claim 10, further comprising a closure means for retaining the
2 volatile material in the reservoir portion.

1 14. The container of Claim 13, in which the closure means comprises an impermeable
2 film.

1 15. The container of Claim 13, in which the closure means comprises a semi
2 permeable membrane.

1 16. The container of Claim 13, in which the closure means comprises a permeable
2 membrane.

1 17. The container of Claim 10, further comprising a volatile material.

Sub A5 →